

Notice of Allowability

Application No.

10/766,452

Examiner

Vinh T Luong

Applicant(s)

CHANG, FENG-CHU

Art Unit

3682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/5/04.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ The drawings filed on 27 January 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Vinh T. Luong
Primary Examiner

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1. Claims 1-16 are allowed.
2. The following is an examiner's statement of reasons for allowance: the claims are allowed due to the following limitations in claim 1:

An angle adjusting device, comprising:
a fixing seat (10) having a first end formed with an upright rod (11) and a second end having a first side formed with an elbow (12) and a second side formed with a pivot arm (13);
a handlebar stem (20) pivotally mounted on the fixing seat (10) and having a first end pivotally mounted on the elbow (12) of the fixing seat (10);
a pull handle (23) pivotally mounted on the handlebar stem (20);
an adjusting base (30) pivotally mounted on the handlebar stem (20) and having an inside formed with a chamber (31) having two ends each formed with an opening (32);
two sockets (40) each mounted in the chamber (31) of the adjusting base (30) and has an inner wall having an end formed with a tapered face (41) located adjacent to and directed toward the respective opening (32) of the chamber (31) of the adjusting base (30);
two slides (60) each movably mounted in the sockets (40) and located adjacent to the tapered face (41) of a respective one of the sockets (40);
a compression spring (50) mounted in the sockets (40) and urged between the two slides (60);
two urging ball units (70) each movably mounted in the sockets (40) and between the compression spring (50) and a respective one of the two slides (60),
a shaft (90) pivotally mounted on the fixing seat (10), extended through the sockets (40), the compression spring (50) and the slides (60), and fixed in the sockets (40) by the urging ball units (70); and
two press members (36) each pivotally mounted on the adjusting base (30) and each having a side formed with a pressing portion (38) rested on a respective one of the two slides (60).

The closest prior art Hals (US Patent No.5,678,457) teaches, *inter alia*, a fixing seat having a first end formed with an upright rod 7 (Figs. 1 and 2) and a second end having a first

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side formed with an elbow 3 and a second side formed with a pivot arm 11, 8; a handlebar stem 6 pivotally mounted on the fixing seat and having a first end pivotally mounted on the elbow 3 of the fixing seat; a pull handle 30 pivotally mounted on the handlebar stem 6; an adjusting base 5 pivotally mounted on the handlebar stem 6 and having an inside formed with a chamber 5 having two ends each formed with an opening (unnumbered in Fig. 2); one socket 13 mounted in the chamber 5 of the adjusting base 5 and has an inner wall having an end formed with a tapered face 23 located adjacent to and directed toward the opening of the chamber 5 of the adjusting base 5; one slide 23 each movably mounted in the sockets 13 and located adjacent to the tapered face 23 of the sockets 13; and a compression spring 15 mounted in the socket 13. However, there is no suggestion to change, *e.g.*, one socket of Hals to two sockets and one slide of Hals to two slides. Further, Hals does not teach or suggest the claimed limitations, such as, two urging ball units each movably mounted in the socket and between the compression spring and the slide 23, a shaft pivotally mounted on the fixing seat, extended through the socket 13, the compression spring 15 and the slide 23, and fixed in the socket 13 by the urging ball units; and two press members each pivotally mounted on the adjusting base 5 and each having a side formed with a pressing portion rested on the slide 23.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Nakaya (handlebar assembly 41), Foster (chamber 12), Marier (press member 60), Marsh (spring 37), Dittmar (press member 118), and Chou (press member 60).

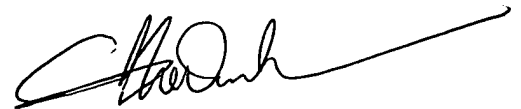
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vinh T. Luong whose telephone number is 703-308-3221. The examiner can normally be reached on Tuesday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bucci can be reached on 703-308-3668. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luong

January 3, 2005



Vinh T. Luong
Primary Examiner